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Application Number	10/735,442
Filing Date	December 12, 2003
First Named Inventor	Cheng et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	CL2027 US NA

[illegible][illegible]

**Examiner
Signature**

Arthur F. Tappan

Date Considered

3/27/06

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

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Application Number	10/735,442
Filing Date	December 12, 2003
First Named Inventor	Cheng et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	CL2027 US NA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CJJ		Armstrong et al., Eubacteria Show Their True Colors: Genetics of Carotenoid Pigment Biosynthesis from Microbes to Plants, J. Bact., Vol. 176, pp. 4795-4802, 1994	
		Armstrong et al., Genetics of Eubacterial Carotenoid Biosynthesis: A Colorful Tale, Annu. Rev. Microbiol., Vol. 51, pp. 629-659, 1997	
		Sandmann, G., Genetic manipulation of carotenoids biosynthesis: strategies, problems and achievements., Trends in Plant Science, 6: pp. 14-17, 2001	
		Albrecht et al., Metabolic engineering of the terpenoid biosynthetic pathway of Escherichia coli for production of the carotenoids β-carotene and zeaxanthin, Biotechnol. Lett., Vol. 21, 791-795, 1999	
		Kim et al., Metabolic Engineering of the Nonmevalonate Isopentenyl Diphosphate Synthesis Pathway in Escherichia coli Enhances Lycopene Production, Biotech. Bioeng., 72: 408-415, 2001	
		Mathews et al., Metabolic engineering of carotenoid accumulation in Escherichia coli by modulation of the isoprenoid precursor pool with expression of deoxyxylulose phosphate synthase, Appl. Microbiol. Biotechnol., Vol. 53, pp. 396-400, 2000	
		Harker et al., Expression of prokaryotic 1-deoxy-D-xylulose-5-phosphatases in Escherichia coli increases carotenoid and ubiquinone biosynthesis, FEBS Letter., Vol. 448, pp: 115-119, 1999	
		Kajiura et al., Expression of an exogenous isopentenyl diphosphate isomerase gene enhances isoprenoid biosynthesis in Escherichia coli, Biochem. J., Vol. 423: pp. 421-426, 1997	
		Wang et al., Engineered Isoprenoid Pathway Enhances Astaxanthin Production in Escherichia coli, Biotechnol. Prog., Vol. 62: pp. 235-241, 1999	

Examiner Signature

Christopher K. Funder

Date Considered

3/27/06

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/735,442
Filing Date	DECEMBER 12, 2003
First Named Inventor	CHENG ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	CL2027 US NA

Sheet	1	of	1
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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**Examiner
Signature**

Quaker T. Bond

Date
Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

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Application Number	10/735442
Filing Date	December 12, 2003
First Named Inventor	QIONG CHENG
Group Art Unit	1632
Examiner Name	UNASSIGNED
Attorney Docket Number	CL2027USNA

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code ² (if known)			
CTJ	1	US -	2002/0102690	08-01-2002	CHENG ET AL.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
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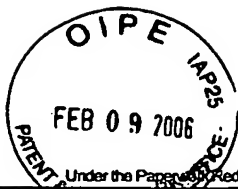
Arthur J. Jorde

Date
Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

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Application Number	10/735442
Filing Date	December 12, 2003
First Named Inventor	QIONG CHENG
Group Art Unit	1832
Examiner Name	UNASSIGNED
Attorney Docket Number	CL2027USNA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CJF	1	LUAN TAO ET AL., ISOLATION OF CHROMOSOMAL MUTATIONS THAT AFFECT CAROTENOID PRODUCTION IN ESCHERICHIA COLI: MUTATIONS ALTER COPY NUMBER OF COLE1-TYPE PLASMIDS, FEMS MICROBIOLOGY LETTERS, VOL. 243:227-233, 2005, XP004724622	<input type="checkbox"/>
	2	MANUELA ALBRECHT ET AL., METABOLIC ENGINEERING OF THE TERPENOID BIOSYNTHETIC PATHWAY OF ESCHERICHIA COLI FOR PRODUCTION OF THE CAROTENOIDS BETA-CAROTENE AND ZEAXANTHIN, BIOTECHNOLOGY LETTERS, VOL. 21:791-795, 1999, XP009007299	<input type="checkbox"/>
	3	SUSUMU KAJIWARA ET AL., EXPRESSION OF AN EXOGENOUS ISOPENTENYL DIPHOSPHATE ISOMERASE GENE ENHANCES ISOPRENOID BIOSYNTHESIS IN ESCHERICHIA COLI, BIOCHEM. J., VOL. 324:421-426, 1997, XP002357865	<input type="checkbox"/>
	4	GERHARD SANDMANN, CAROTENOID BIOSYNTHESIS AND BIOTECHNOLOGICAL APPLICATION, ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, VOL. 385(1):4-12, 2001, XP002357867	<input type="checkbox"/>
	5	WILLIAM R. FARMER ET AL., IMPROVING LYCOPENE PRODUCTION IN ESCHERICHIA COLI BY ENGINEERING METABOLIC CONTROL, NATURE BIOTECHNOLOGY, VOL. 18:533-537, 2000, XP002269479	<input type="checkbox"/>
	6	XIAOLAN ZHANG ET AL., OLIGORIBONUCLEASE IS ENCODED BY A HIGHLY CONSERVED GENE IN THE 3'-5' EXONUCLEASE SUPERFAMILY, JOURNAL OF BACTERIOLOGY, VOL. 180(10):2779-2781, 1998, XP002357868	<input type="checkbox"/>
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Examiner
Signature

Christian F. Jordan

Date
Considered

3/27/06

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